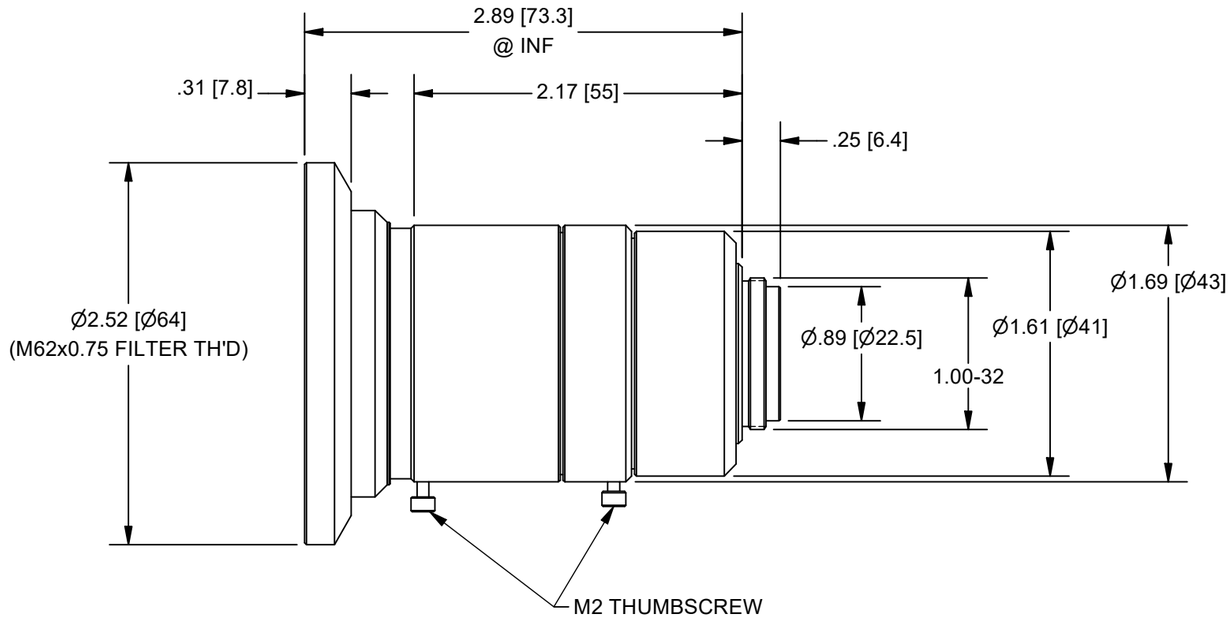


Lens Specifications - 1.1" 8.5mm F/2.5, 24MP			
Specifications	1.1"	1"	2/3"
Focal Length	f =8.5mm		
Maximum diameter (Ratio)	F = 2.5 - 16		
Picture Size	10.6 x 14.1 mm	9.6 x 12.8 mm	6.6 x 8.8 mm
Angle - Vertical - Horizontal - Diagonal	63.8 deg 79.2 deg 91.2 deg	58.8 deg 73.9 deg 86.1 deg	42.1 deg 54.5 deg 65.8 deg
Distortion	0.55%	0.13%	-0.4%
FOV - Vertical (@MOD) - Horizontal - Diagonal	138mm 184mm 228mm	125mm 167mm 208mm	86mm 115mm 144mm
Minimum Focus Distance	0.1m		
Flange Focus	17.526mm in air		
Back Focus	10.9mm in air		
Filter Screw Size	M62x0.75		
Clear Aperture Front / Rear	Ø40mm / Ø18.0mm		
Mount	C-Mount		
Exit Pupil	-125.7mm		
Temperature Range	- 10 ~ + 50 deg. C		
Storage Temperature Range	- 20 ~ + 60 deg. C		
Resolution Center / Corner	200lp/mm / 100lp/mm		
Weight	230g		

OUTLINE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM] AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	**PROPRIETARY AND CONFIDENTIAL** THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NAVITAR. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF NAVITAR IS PROHIBITED.	NAVITAR ROCHESTER, NEW YORK		
SCALE: 1:1			LENS, 8.5mm, F/2.5, 1.1", 24MP C-MNT	
WEIGHT: SEE TABLE	0.0 inch 1.0 0.0 mm 25.0			
DR BY: PB				
CH BY: J. WILLIAMSON				
PROJECT #:	DO NOT SCALE DRAWING	SIZE	PART NUMBER	REV
DATE DR: 11/9/2018		B	NMV-8M1.1	C